	Application No. Applicant(s)		
Notice of Allowability	10/828,340	YADA ET AL.	
	Examiner	Art Unit	
	Virginia Manoharan	1764	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet with S (OR REMAINS) CLOSED in to b) or other appropriate commun RIGHTS. This application is su	this application. If not included nication will be mailed in due c	d ourse. THIS
1. This communication is responsive to <u>amendment of 27 Fe</u>	<u>ebruary 2007</u> .	•	
2. The allowed claim(s) is/are <u>17-26</u> .			
3.	ve been received. ve been received in Application ocuments have been received " of this communication to file a MENT of this application. mitted. Note the attached EXAN ves reason(s) why the oath or out the submitted. rson's Patent Drawing Review r's Amendment / Comment or in the header according to 37 CFR osit of BIOLOGICAL MATER	No in this national stage application this national stage application the requirement of the latest and the latest application is deficient. (PTO-948) attached in the Office action of the drawings in the front (not the latest all 1.121(d). RIAL must be submitted. No	DICE OF
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./M 7. ☐ Examiner's A	ormal Patent Application mmary (PTO-413), fail Date mendment/Comment statement of Reasons for Allov JIHGINIA MANOHAR PRIMARY EXAMINE ART UNIT 123	ÁN

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REASONS FOR ALLOWANCE:

The following is an examiner's statement of reasons for allowance:

The problem addressed by the instant method is that part of acrylic acid is entrained in the moisture contained in the gas discharged from a collection device instead of being collected, and then discharged together therewith. See the paragraph bridging pages 1 and 2 of the specification. Also, as stipulated by applicants in the **REMARKS**, (page 9, lines 13-15 dated February 27, 2007), "one problem to be solved by the present invention is to maintain to running condition, of the collection column having functions of both the quench tower and absorption tower".

These problems are solved according to the invention by conducting heat-removal so as to satisfy the condition 0.8 <(B/A) <1.25", wherein A represents a weight fraction of acrylic acid to all condensable ingredients in the reaction gas before collecting acrylic acid and B represents a weight fraction of acrylic acid in a bottoms of a collection device used in the step of the collecting.

EP 0778225, represents one of the prior art,does not disclose or suggest a collection column with a heat-removing device attached thereto for maintaining the amount of heat removed in the collection column so that B/A meets the above condition. Likewise, Leacock (4,147,721), another prior art, does not perform heat removal to maintain the amount of heat removed meeting the condition: "0.8 <(B/A) <1.25".

Thus, the subject matter of claims 17-26 is neither disclosed by the prior art nor is obvious.

The claims are deemed allowable over the prior of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Virginia Manoharan whose telephone number is 571-272-1450.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola, can be reached on 571-272-1444.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PRIMARY EXAMINER

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